



# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY  
A Nationally Accredited Laboratory

700 NORTH 5TH STREET  
RICHMOND, VIRGINIA 23219  
(804) 786-6971

### CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II  
SERIAL NUMBER: 010461  
CERTIFICATION DATE: December 11, 2013  
DATE RECERTIFICATION DUE: June 9, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

Timmy L. Neece, Jr.  
Forensic Scientist

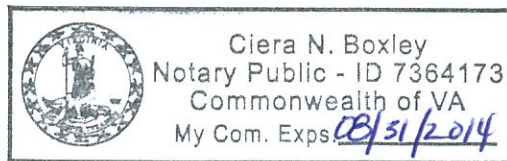
CITY OF RICHMOND  
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 30<sup>th</sup> day of  
December, 2013 by Timmy L. Neece, Jr.

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014

*msl*



DBH  
TLN

**Department of Forensic Science  
Breath Alcohol Section  
Instrument Maintenance History  
1/1/1990 To 12/16/2013**

**Instrument Serial Number: 010461** **As of 16-Dec-13**

Maintenance Date	Certification Date	Technician Initials	Remarks
11-Dec-13	11-Dec-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
05-Jul-13	05-Jul-13	MMB (26417)	CERTIFIED.
16-Jan-13	16-Jan-13	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
10-Oct-12	26-Jul-12	DBH (21250)	REPLACED UPS.
26-Jul-12	26-Jul-12	DBH (21250)	CERTIFIED.
12-Jul-12	12-Jul-12	DBH (21250)	REPLACED AND TESTED FUEL CELL MODULE, CALIBRATED AND CERTIFIED.
09-May-12	04-Apr-12	TLN (25387)	REPLACED DRY GAS STANDARD.
04-Apr-12	04-Apr-12	DBH (21250)	CERTIFIED.
12-Jan-12	09-Dec-11	DBH (21250)	REPLACED DRY GAS STANDARD
09-Dec-11	09-Dec-11	DBH (21250)	CERTIFIED
11-Oct-11	11-Oct-11	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
29-Sep-11	26-Apr-11	DBH (21250)	REPLACED DRY GAS STANDARD
05-Jul-11	26-Apr-11	RJP (22428)	REPLACED DRY GAS STANDARD.
26-Apr-11	26-Apr-11	RJP (22428)	CERTIFIED.
08-Apr-11	18-Nov-10	RJP (22428)	REPLACED DRY GAS STANDARD.
23-Feb-11	18-Nov-10	RJP (22428)	REPLACED DRY GAS STANDARD.
18-Nov-10	18-Nov-10	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED.
04-Nov-10	17-Aug-10	RJP (22428)	REPLACED DRY GAS STANDARD.
17-Aug-10	17-Aug-10	DBH (21250)	CALIBRATED AND CERTIFIED.
14-May-09	14-May-09	RJP (22428)	FIRMWARE/SOFTWARE UPGRADE. CERTIFIED.
01-May-09	01-May-09	NMJ (22392)	REPLACED TANK TOP LID, CERTIFIED.
28-Oct-08	28-Oct-08	HMS (18910)	CERTIFIED.
17-Oct-08	17-Oct-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH  
TLW

# **INTOX EC/IR II** **Quality Assurance Worksheet**

Instrument Serial Number **010461** Worksheet Start Date **12/11/2013**

Location **Appomattox CO SO**

Address **179 Morton Lane Appomattox VA 24522**

DFS Technician **Donald Hall** License No. **21250**

☐ Laboratory ☒ On-Site

Site Specification: No detrimental environmental conditions exist. ☒

Instrument Barometer (mm HG) **746** Reference Barometer (mm HG) **745**

Reference Barometer(RB)Serial # **009109** RB Calibration Due **8/1/2014**

## Measurement Assurance Check

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	<b>0.296</b>
0.300	0.294	0.285	0.302	<b>Sample 2</b>	<b>0.296</b>
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	<b>0.295</b>
0.001		0.295	0.296		

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	<b>0.098</b>
0.100	0.098	0.095	0.101	<b>Sample 2</b>	<b>0.098</b>
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	<b>0.098</b>
0		0.098	0.098		

Dry gas standard Lot No. (with tank no.) **AG320502-13**

☒ Replaced dry gas standard (+O-ring)

☐ Installed at Location

☐ Removed to DFS-Central

### Supplies

Mouthpieces	<b>50</b>
Certificates of Analysis	<b>50</b>
Operator Worksheet	<b>50</b>
Other:	

### Notes:

Firmware/software upgrade.

Instrument Serial Number

010461

Certification Date

12/11/2013

☒ Calibrated☒ Certified☒ Measurement Assurance Check☒ Instrument Test☐ Troubleshooting/Maintenance Worksheet Completed

(Successful completion denotes satisfactory condition of the item.)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.243
0.250	0.245	0.237	0.252	Sample 2	0.243
Precision		sample min	sample max	Sample 3	0.243
0		0.243	0.243		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.146
0.150	0.147	0.142	0.151	Sample 2	0.146
Precision		sample min	sample max	Sample 3	0.146
0		0.146	0.146		

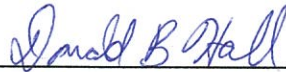
Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.078
0.080	0.078	0.075	0.081	Sample 2	0.078
Precision		sample min	sample max	Sample 3	0.078
0		0.078	0.078		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

All measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

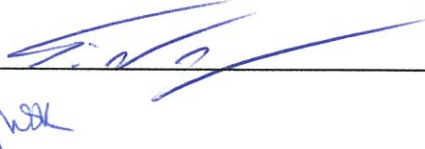
DFS Technician



Date

12/16/13

Issuing Analyst

  
msk

Date

12/16/13

**Intox EC/IR-II: Accuracy Check**

DBH  
TLN

*Department of Forensic Science*

Serial Number: 010461      Test Number: 2302

Test Date: 12/11/2013      Test Time: 14:01 EST

Dry Gas Target: 0.098

Lot Number: AG227501-10      Exp Date: 10/01/2014

Tank Pressure: 963 psi      Barometric Pressure: 746 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:02
CHK	0.097	14:03
BLK	0.000	14:04
CHK	0.097	14:05
BLK	0.000	14:06
CHK	0.097	14:07

Test Status: *Success*

Calibration CRC: BFD1595C

Intox EC/IR-II: Accuracy Check

DBH  
YLV

*Department of Forensic Science*

Serial Number: 010461      Test Number: 2303

Test Date: 12/11/2013      Test Time: 14:10 EST

Dry Gas Target: 0.295

Lot Number: AG322702-07      Exp Date: 08/15/2015

Tank Pressure: 350 psi      Barometric Pressure: 746 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:11
CHK	0.291	14:11
BLK	0.000	14:13
CHK	0.291	14:14
BLK	0.000	14:15
CHK	0.290	14:16

Test Status: *Success*

Calibration CRC: BFD1595C

DBH  
TLN



COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED <b>INSTRUMENT, TEST,</b>	NAME OF COURT <b>DFS</b>
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY <b>HALL, DONALD, B</b>		AGENCY <b>DFS Central Lab</b>
DFS LICENSE NUMBER <b>21250</b>	LICENSE EXPIRES <b>10/01/2014</b>	DATE TEST CONDUCTED <b>12/11/2013</b>
TEST EQUIPMENT NUMBER <b>010461</b>		

RESULTS: TIME SAMPLE TAKEN 14:27 EST

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

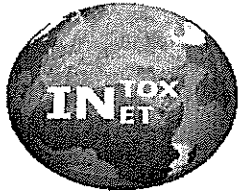
ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20 \_\_\_\_\_.

BREATH TEST OPERATOR
----------------------

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_  
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_  
OPERATOR'S SIGNATURE



# IntoxNet MIS Report

Report Generated 11 Dec 2013 at 19:00

DBH  
TLN

## Test Results

Instrument Serial Number 010461

Test # 002304 Subject Test

Test Location 1 Department of  
Test Date 11 Dec 2013

Test Location 2 Forensic Science  
Test Time 14:20  
Remote/Local Local

Test Location 3  
System Check Passed

Operator's Last Name HALL  
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B  
License Number 21250

Card Serial Number 121250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 11 Dec 2013 End Time 14:28

Result Time 14:27

Result Date 11 Dec 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 14:21

Data Type BLK

Sample Value 0.000

Sample Time 14:22

Data Type CHK

Sample Value 0.096

Sample Time 14:22

Data Type BLK

Sample Value 0.000

Sample Time 14:23

Data Type SUBJ

Sample Value 0.000

Sample Time 14:24

Data Type BLK

Sample Value 0.000

Sample Time 14:25

Data Type SUBJ

Sample Value 0.000

Sample Time 14:27

Data Type BLK

Sample Value 0.000

Sample Time 14:27

Standard Type Dry Gas Std

Standard Value 0.098

Standard Lot Number AG227501-10

Standard Expiration Date 10/01/2014

Tank Pressure 943

Barometric Pressure 746 mmHg

Blow Sample Number 1 Blow Duration 3.31 sec

Blow Volume 1725 cc End-of-Blow Time 14:24

Blow Sample Number 2 Blow Duration 3.34 sec

Blow Volume 1774 cc End-of-Blow Time 14:27

Tamper Evident Stamp 8c16e364

Test Status Code 0

Test Status Success



**Intox EC/IR-II: Software Version**

DBH  
TLN

*Department of Forensic Science*

Serial Number: 010461

System Date: 12/11/2013

System Time: 14:50 EST

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

Intox EC/IR-II: Calibration

DBH  
TLV

*Department of Forensic Science*

Serial Number: 010461      Test Number: 2305

Test Date: 12/11/2013      Test Time: 14:53 EST

Dry Gas Target: 0.098

Lot Number: 0651210013-05      Exp Date: 04/01/2014

Tank Pressure: 330 psi      Barometric Pressure: 745 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	14:53
CAL	0.098	14:54

Test Status: Success

Calibration CRC: 69B6385F

DBH  
TLN

# **Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010461      Test Number: 2306

Test Date: 12/11/2013      Test Time: 14:58 EST

Technician Initials: DBH

Dry Gas Target: 0.245

Lot Number: 29612250I2-10      Exp Date: 11/01/2014

Tank Pressure: 66 psi      Barometric Pressure: 745 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:58
BLK	0.000	14:59
CHK	0.243	15:00
BLK	0.000	15:01
CHK	0.243	15:02
BLK	0.000	15:03
CHK	0.243	15:04
BLK	0.000	15:06

## **Success**

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

DBH  
TLN

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010461      Test Number: 2307  
Test Date: 12/11/2013      Test Time: 15:08 EST

Technician Initials: DBH

Dry Gas Target: 0.147

Lot Number: 2951215012-03      Exp Date: 11/01/2014

Tank Pressure: 419 psi      Barometric Pressure: 745 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:09
BLK	0.000	15:10
CHK	0.146	15:10
BLK	0.000	15:12
CHK	0.146	15:12
BLK	0.000	15:14
CHK	0.146	15:14
BLK	0.000	15:16

**Success**

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

DBH  
T L N

# **Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010461      Test Number: 2308

Test Date: 12/11/2013      Test Time: 15:18 EST

Technician Initials: DBH

Dry Gas Target: 0.078

Lot Number: 0771308012-01      Exp Date: 05/01/2015

Tank Pressure: 987 psi      Barometric Pressure: 745 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:19
BLK	0.000	15:20
CHK	0.078	15:20
BLK	0.000	15:22
CHK	0.078	15:22
BLK	0.000	15:24
CHK	0.078	15:24
BLK	0.000	15:26

## **Success**

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

DBH  
TLN

# **Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010461      Test Number: 2309

Test Date: 12/11/2013      Test Time: 15:28 EST

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 0771302011-02      Exp Date: 05/01/2015

Tank Pressure: 801 psi      Barometric Pressure: 745 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:28
BLK	0.000	15:29
CHK	0.019	15:30
BLK	0.000	15:31
CHK	0.019	15:32
BLK	0.000	15:33
CHK	0.019	15:34
BLK	0.000	15:35

**Success**

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

DBH  
TVN

# **Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010461      Test Number: 2310

Test Date: 12/11/2013      Test Time: 15:38 EST

Dry Gas Target: 0.294

Lot Number: AG322702-07      Exp Date: 08/15/2015

Tank Pressure: 340 psi      Barometric Pressure: 745 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	15:39
CHK	0.296	15:39
BLK	0.000	15:41
CHK	0.296	15:42
BLK	0.000	15:44
CHK	0.295	15:44

Test Status: *Success*

Calibration CRC: 69B6385F

**Intox EC/IR-II: Accuracy Check**

DBH  
TLN

*Department of Forensic Science*

Serial Number: 010461      Test Number: 2311

Test Date: 12/11/2013      Test Time: 15:47 EST

Dry Gas Target: 0.098

Lot Number: AG320502-13      Exp Date: 07/24/2015

Tank Pressure: 1120 psi      Barometric Pressure: 745 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	15:48
CHK	0.098	15:49
BLK	0.000	15:50
CHK	0.098	15:51
BLK	0.000	15:52
CHK	0.098	15:53

Test Status: *Success*

Calibration CRC: 69B6385F



DBH  
TLN




COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED <b>INSTRUMENT, TEST,</b>	NAME OF COURT <b>DFS</b>
---	-----------------------------

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY <b>HALL, DONALD, B</b>		AGENCY <b>DFS Central Lab</b>
DFS LICENSE NUMBER <b>21250</b>	LICENSE EXPIRES <b>10/01/2014</b>	DATE TEST CONDUCTED <b>12/11/2013</b>
TEST EQUIPMENT NUMBER <b>010461</b>		

RESULTS: TIME SAMPLE TAKEN 16:02 EST

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_\_.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_  
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_  
OPERATOR'S SIGNATURE

FOR COURT



# IntoxNet MIS Report

Report Generated 11 Dec 2013 at 18:57

DBH  
TLN

## Test Results

Instrument Serial Number 010461

Test # 002312 Subject Test

Test Location 1 Department of  
Test Date 11 Dec 2013

Test Location 2 Forensic Science  
Test Time 15:56  
Remote/Local Local

Test Location 3  
System Check Passed

Operator's Last Name HALL  
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B  
License Number 21250

Card Serial Number 121250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 11 Dec 2013 End Time 16:03

Result Time 16:02

Result Date 11 Dec 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 15:56

Data Type BLK

Sample Value 0.000

Sample Time 15:57

Data Type CHK

Sample Value 0.098

Sample Time 15:57

Data Type BLK

Sample Value 0.000

Sample Time 15:59

Data Type SUBJ

Sample Value 0.000

Sample Time 15:59

Data Type BLK

Sample Value 0.000

Sample Time 16:00

Data Type SUBJ

Sample Value 0.000

Sample Time 16:02

Data Type BLK

Sample Value 0.000

Sample Time 16:03

Standard Type Dry Gas Std

Standard Value 0.098

Standard Lot Number AG320502-13

Standard Expiration Date 07/24/2015

Tank Pressure 1120

Barometric Pressure 745 mmHg

Blow Sample Number 1 Blow Duration 3.75 sec

Blow Volume 1841 cc End-of-Blow Time 15:59

Blow Sample Number 2 Blow Duration 3.71 sec

Blow Volume 1824 cc End-of-Blow Time 16:02

Tamper Evident Stamp fdc59813

Test Status Code 0

Test Status Success